

ABSTRACT OF THE DISCLOSURE

The present invention provides an electrostatic discharge protection device located between a pad and an internal circuit, and is coupled to a first level signal and a second level signal.

5 The electrostatic discharge protection device comprises a voltage detecting device, a signal converting device, and switches. The voltage detecting device detects the voltage level of the first level signal, and outputs a detecting result signal when the voltage level of the first level signal reaches a first predetermined value. The signal converting device
10 outputs the second level signal when the detected result signal is recieved. The first switch has a first controlling gate, and turns on when the voltage level of the pad reaches a second predetermined voltage level. The second switch has a second controlling gate, and turns on and raises the voltage value of the first level signal when the voltage level of the pad reaches
15 a third predetermined voltage level. The third switch has a third controlling gate and turns on when the voltage level of the pad reaches the second predetermined voltage level and the third controlling gate receives the second level signal.
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It thus should not limit the scope of the present invention. Any other methods of feeding may also be adopted under the same
25 application.
h-down platform.